```
ATGAGCTCCCGAATCGTCAGGGAGCTCGCCTTAGTCGTCACCCTTCTCCACTTGACCAGG
M  S  S  R  I  V  R  E  L  A  L  V  V  T  L  L  H  L  T  R

GTGGGGCTCTCCACCTGCCCCGCTGACTGCCACTGCCCCCTGGAGGCCCCCAAGTGCGCG
V  G  L  S  T  C  P  A  D  C  H  C  P  L  E  A  P  K  C  A

CCGGGAGTCGGGCTGGTCCGGGACGGCTGCGGCTGTTGTAAGGTCTGCGGCAAGCAGCTC
P  G  V  G  L  V  R  D  G  C  G  C  C  K  V  C  A  K  Q  L

AACGAGGACTGCAGAAAAACGCAGCCCTGCGACCACACCAAGGGGCTGGAATGCAACTTC
N  E  D  C  R  K  T  Q  P  C  D  H  T  K  G  L  E  C  N  F

GGCGCCAGCTCCACCGCTCTGAAGGGGATCTGCAGAGCTCAGTCAGAGGGCAGACCCTGT
G  A  S  S  T  A  L  K  G  I  C  R  A  Q  S  E  G  R  P  C

GAATATAACTCCAGAATCTACCAAAACGGGGAAAGTTTCCAGCCCAACTGTAAACATCAG
E  Y  N  S  R  I  Y  Q  N  G  E  S  F  Q  P  N  C  K  H  Q

TGCACATGTATTGGATGGCGCCGGGGGGCTTGCATTCCTCTGTGTCCCCAAGAACTATCT
C  T  C  I  G  W  R  R  G  A  C  I  P  L  C  P  Q  E  L  S

CTCCCCAACTTGGGCTGTCCCAACCCTCGGCTGGTCAAAGTTACCGGGCAGTGCTGCGAG
L  P  N  L  G  C  P  N  P  R  L  V  K  V  T  G  Q  C  C  E
     MATCH WITH FIG.1B
```

MATCH WITH FIG.1B

FIG.1A

MATCH WITH FIG.1A

```
GAGTGGGTCTGTGACGAGGATAGTATCAAGGACCCCATGGAGGACCAGGACGGCCTCCTT
E  W  V  C  D  E  D  S  I  K  D  P  M  E  D  Q  D  G  L  L

GGCAAGGGGCTGGGATTCGATGCCTCCGAGGTGGAGTTGACGAGAAACAATGAATTGATT
G  K  G  L  G  F  D  A  S  E  V  E  L  T  R  N  N  E  L  I

GCAGTTGGAAAAGGCAGCTCACTGAAGCGGCTCCCTGTTTTTGGAATGGAGCCTCGCATC
A  V  G  K  G  S  S  L  K  R  L  P  V  F  G  M  E  P  R  I

CTATACAACCCTTTACAAGGCCAGAAATGTATTGTTCAAACAACTTCATGGTCCCAGTGC
L  Y  N  P  L  Q  G  Q  K  C  I  V  Q  T  T  S  W  S  Q  C

TCAAAGACCTGTGGAACTGGTATCTCCACACGAGTTACCAATGACAACCCTGAGTGCCGC
S  K  T  C  G  T  G  I  S  T  R  V  T  N  D  N  P  E  C  R

CTTGTGAAAGAAACCCGGATTICTGAGGTGCGGCCTTGTGGACAGCCAGTGTACAGCAGC
L  V  K  E  T  R  I  C  E  V  R  P  C  G  Q  P  V  Y  S  S

CTGAAAAAGGGCAAGAAATGCAGCAAGACCAAGAAATCCCCCGAACCAGTCAGGTTTACT
L  K  K  G  K  K  C  S  K  T  K  K  S  P  E  P  V  R  F  T
```

MATCH WITH FIG.1C

FIG.1B

MATCH WITH FIG.1B

```
TACGCTGGATGTTTGAGTGTGAAGAAATACCGGCCCAAGTACTGCGGTTCCTGCGTGGAC
Y  A  G  C  L  S  V  K  K  Y  R  P  K  Y  C  G  S  C  V  D

GGCCGATGCTGCACGCCCCAGCTGACCAGGACTGTGAAGATGCGGTTCCCCTGCGAAGAT
G  R  C  C  T  P  Q  L  T  R  T  V  K  M  R  F  P  C  E  D

GGGGAGACATTTTCCAAGAACGTCATGATGATCCAGTCCTCCAAATGCAACTACAACTGC
G  E  T  F  S  K  N  V  M  M  I  Q  S  S  K  C  N  Y  N  C

CCGCATGCCAATGAAGCAGCGTTTCCCTTCTACAGGCTGTTCCAATGA
P  H  A  N  E  A  A  F  P  F  Y  R  L  F  Q  *
```

FIG.1C

```
  1  MSSRIVRELALVVTLLHLTRVGLSTCPADCHCPLEAPKCAPGVGLVRDGC  50
     |||...|.||:.||||||||::||||||.||||||||||||||||||||
  1  MSSSTFRTLAVAVTLLHLTRLALSTCPAACHCPLEAPKCAPGVGLVRDGC  50

 51  GCCKVCAKQLNEDCRKTQPCDHTKGLECNFGASSTALKGICRAQSEGRPC  100
     ||||||||||||||.||||||||||||||||||||||||||||||||||||
 51  GCCKVCAKQLNEDCSKTQPCDHTKGLECNFGASSTALKGICRAQSEGRPC  100

101  EYNSRIYQNGESFQPNCKHQCTCIGWRRGACIPLCPQELSLPNLGCPNPR  150
       MATCH WITH FIG.2B
```

FIG.2A

MATCH WITH FIG.2A

```
101  EYNSRIYQNGESFQPNCKHQCTCID.GAVGCIPLCPQELSLPNLGCPNPR  149

151  LVKVTGQCCEEWVCDEDSIKDPMEDQDGLLGKGLGFDASEVELTRNNELI  200
150  LVKVSGQCCEEWVCDEDSIKDSLDDQDDL....LGLDASEVELTRNNELI  195

201  AVGKGSSLKRLPVFGMEPRILYNPL..QGQKCIVQTTSWSQCSKTCGTGI  248
196  AIGKGSSLKRLPVFGTEPRVLFNPLHAHGQKCIVQTTSWSQCSKSCGTGI  245

249  STRVTNDNPECRLVKETRICEVRPCGQPVYSSLKKGKKCSKTKKSPEPVR  298
246  STRVTNDNPECRLVKETRICEVRPCGQPVYSSLKKGKKCSKTKKSPEPVR  295

299  FTYAGCLSVKKYRPKYCGSCVDGRCCTPQLTRTVKMRFPCEDGETFSKNV  348
296  FTYAGCSSVKKYRPKYCGSCVDGRCCTPLQTRTVKMRFRCEDGEMFSKNV  345

349  MMIQSSKCNYNCPHANEAAFPFYRLFQ                         375
346  MMIQSCKCNYNCPHPNEASFRLYSLFN                         372
```

FIG.2B

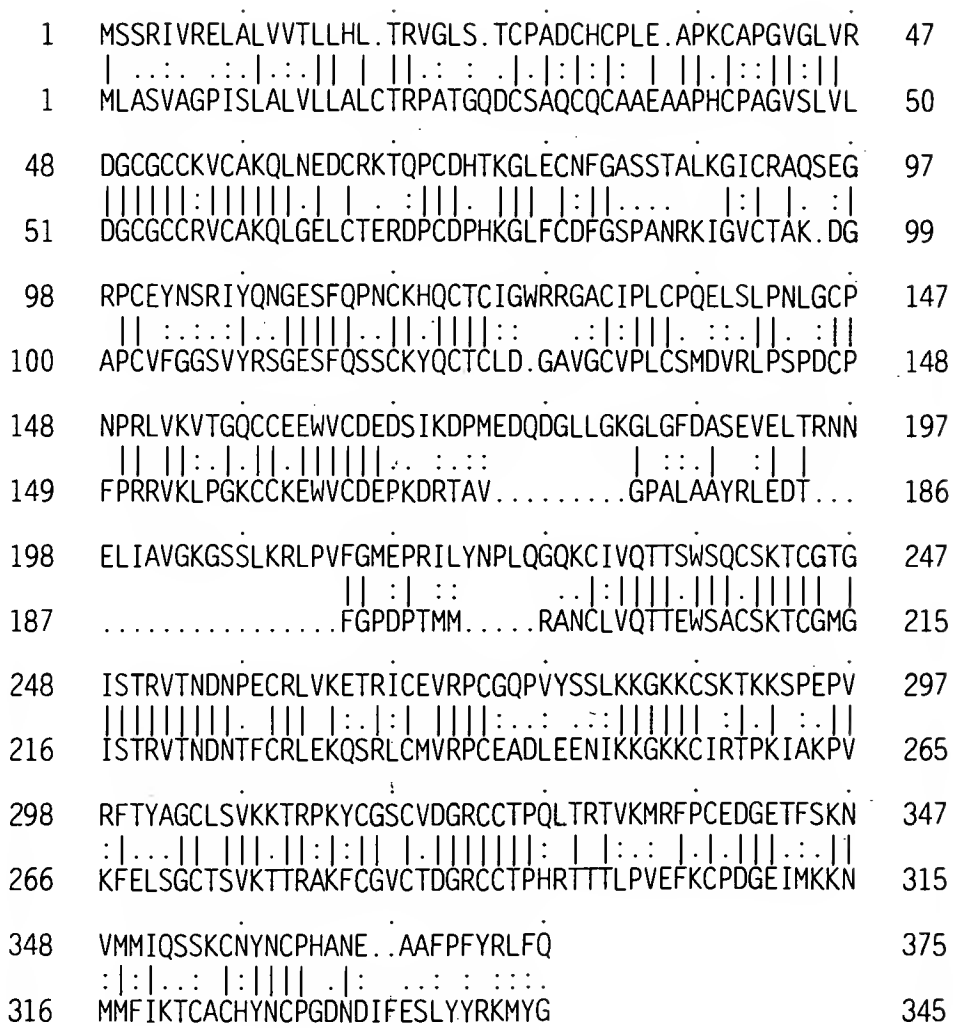
1 MSSRIVRELALVVTLLHL.TRVGLS.TCPADCHCPLE.APKCAPGVGLVR 47
1 MLASVAGPISLALVLLALCTRPATGQDCSAQCQCAAEAAPHCPAGVSLVL 50
48 DGCGCCKVCAKQLNEDCRKTQPCDHTKGLECNFGASSTALKGICRAQSEG 97
51 DGCGCCRVCAKQLGELCTERDPCDPHKGLFCDFGSPANRKIGVCTAK.DG 99
98 RPCEYNSRIYQNGESFQPNCKHQCTCIGWRRGACIPLCPQELSLPNLGCP 147
100 APCVFGGSVYRSGESFQSSCKYQCTCLD.GAVGCVPLCSMDVRLPSPDCP 148
148 NPRLVKVTGQCCEEWVCDEDSIKDPMEDQDGLLGKGLGFDASEVELTRNN 197
149 FPRRVKLPGKCCKEWVCDEPKDRTAV.....GPALAAYRLEDT... 186
198 ELIAVGKGSSLKRLPVFGMEPRILYNPLQGQKCIVQTTSWSQCSKTCGTG 247
187 .....FGPDPTMM.....RANCLVQTTEWSACSKTCGMG 215
248 ISTRVTNDNPECRLVKETRICEVRPCGQPVYSSLKKGKKCSKTKKSPEPV 297
216 ISTRVTNDNTFCRLEKQSRLCMVRPCEADLEENIKKGKKCIRTPKIAKPV 265
298 RFTYAGCLSVKKTRPKYCGSCVDGRCCTPQLTRTVKMRFPCEDGETFSKN 347
266 KFELSGCTSVKTTRAKFCGVCTDGRCCTPHRTTTLPVEFKCPDGEIMKKN 315
348 VMMIQSSKCNYNCPHANE..AAFPFYRLFQ 375
316 MMFIKTCACHYNCPGDNDIFESLYYRKMYG 345

FIG.3